

RF 15 N, gold, non-illuminated, 2,9±0,6 N, 1 NO



fields of application

- Measurement-control-regulation
- Mechanical and system engineering
- Automotive
- Electro-medical

special features

- Gold contacts, reliable switching with low currents
- Narrow key grid of 15.24 mm possible
- Low overall height, just 6.2 mm
- Variable overall height due to snap-on plunger
- Optional: spot illumination
- Terminal technology: THT



description

The RF 15N key switch enables a very low overall height of 6.2 mm. The overall height can be varied using the extension plunger, which is snapped into the cross-like recess in the pressure pad.

Up to an overall height of 10 mm (i.e. with or without the small plunger), LEDs can only be positioned on the PCB separately, next to the key switches. From an overall height of 12 mm, a maximum of 2 LEDs can also be plugged into locating indents in the key switch housing. To achieve satisfactory illumination, the LEDs should be placed on LED spacer sleeves from an overall height of 12.5 mm.

technical data

➤ general

|                                              |                   |
|----------------------------------------------|-------------------|
| Operating temperature, min.                  | -25 °C            |
| Storage temperature, min.                    | -25 °C            |
| Operating temperature, max.                  | 70 °C             |
| Storage temperature, max.                    | 70 °C             |
| illuminated                                  | No                |
| Soldering time for manual soldering, max.    | 5 sec             |
| Soldering temperature for manual soldering   | 350 °C            |
| Soldering temperature for wave soldering     | 260 °C            |
| Soldering                                    | Manual / wave     |
| Solder heat resistance according to standard | DIN EN 60068-2-20 |
| Packaging                                    | Tube              |
| Packaging unit                               | 32 pcs.           |
| net weight                                   | 1.6 g             |
| Operating life                               | 1,000,000 cycles  |
| B10                                          | 1,300,000 cycles  |

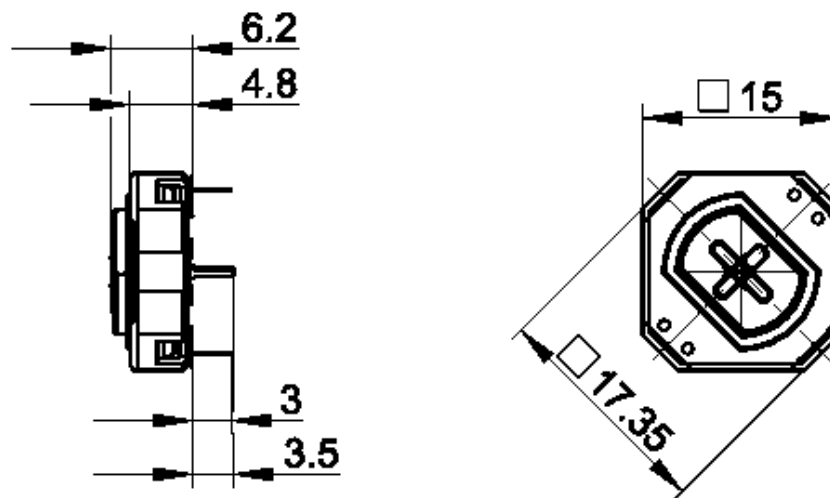
direct links

- [RAFI eCatalog](#)

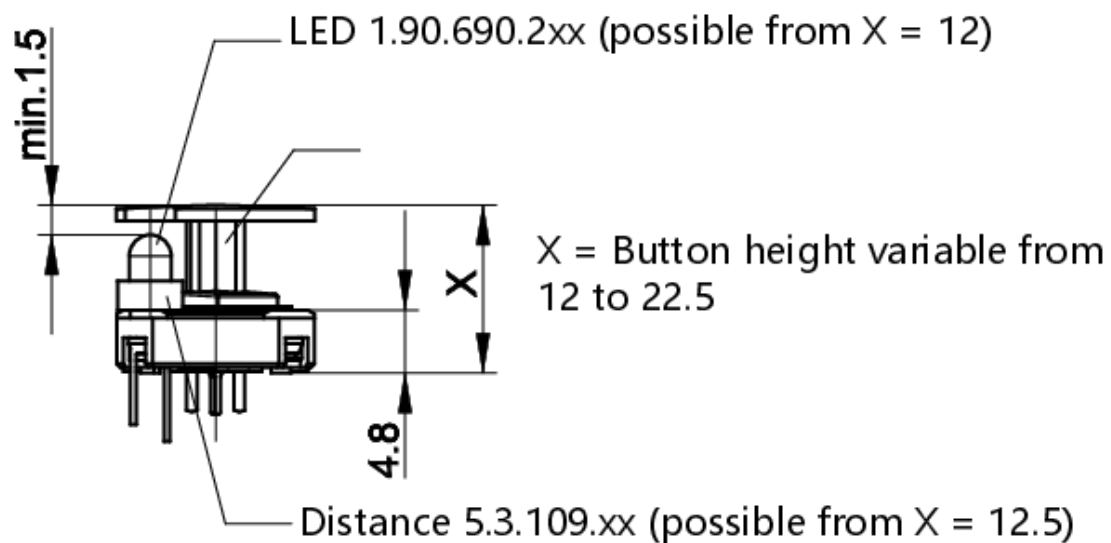
|                                |                            |
|--------------------------------|----------------------------|
| MOQ order                      | 32 pcs.                    |
| RoHS compliant                 | Yes                        |
| REACH compliant                | Yes                        |
| <b>&gt; mounting diameters</b> |                            |
| Installation height            | 6.2 mm                     |
| Grid, min.                     | 19.05 mm                   |
| Outside dimension, length      | 15 mm                      |
| Outside dimension, width       | 15 mm                      |
| Outside dimension, height      | 6.2 mm                     |
| <b>&gt; mechanical data</b>    |                            |
| Actuation function             | momentary contact function |
| Operating force, max.          | 100 N                      |
| Operating force, min.          | $2,9 \pm 0,6$ N            |
| Switching travel               | $0,5 \pm 0,2$ mm           |
| Contact function               | 1 NO                       |
| Contact system                 | Snap-action contact        |
| Contact material               | Gold                       |
| Fixing                         | Soldering                  |
| Terminal on the rear           | THT                        |
| Solderability                  | Yes                        |
| <b>&gt; electrical data</b>    |                            |
| Rated voltage, min.            | 0.02 V                     |
| Rated voltage, max.            | 35 V                       |
| Rated current, min.            | 0.00001 A                  |
| Rated current, max.            | 0.1 A                      |
| Rated power, max.              | 2 W                        |

## drawings

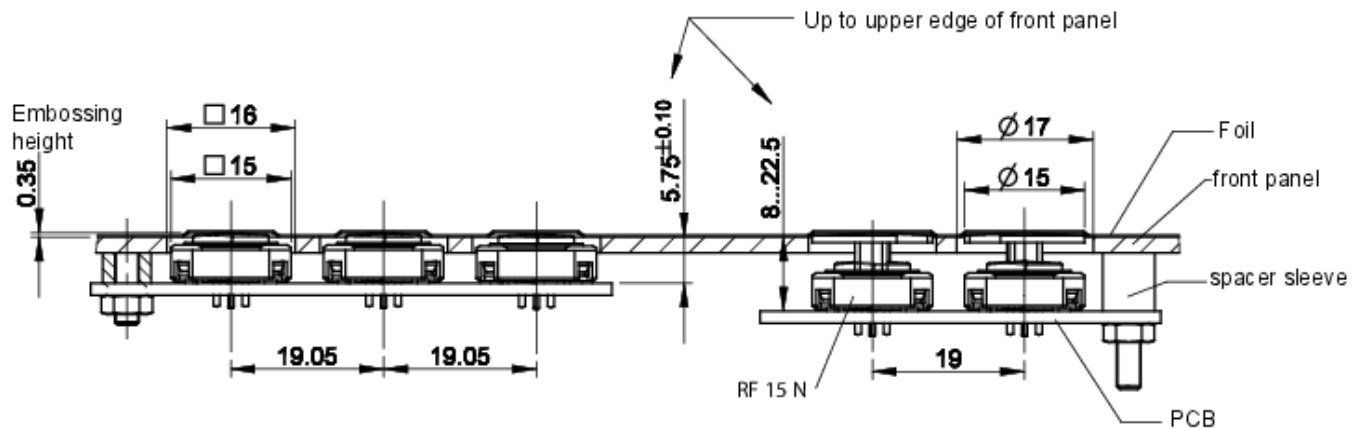
### Dimensioned drawing



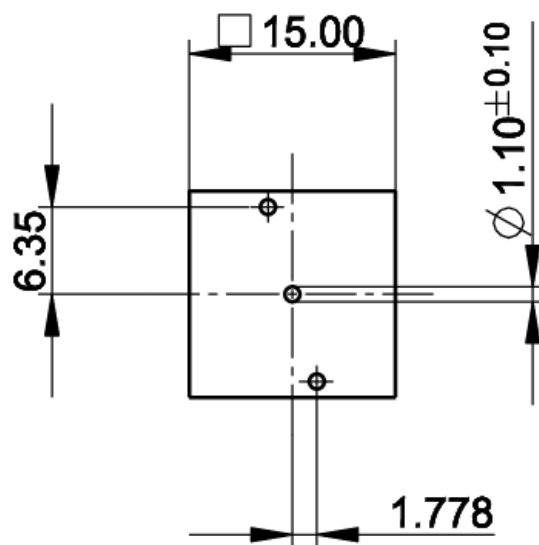
### Dimensioned drawing



## System drawing

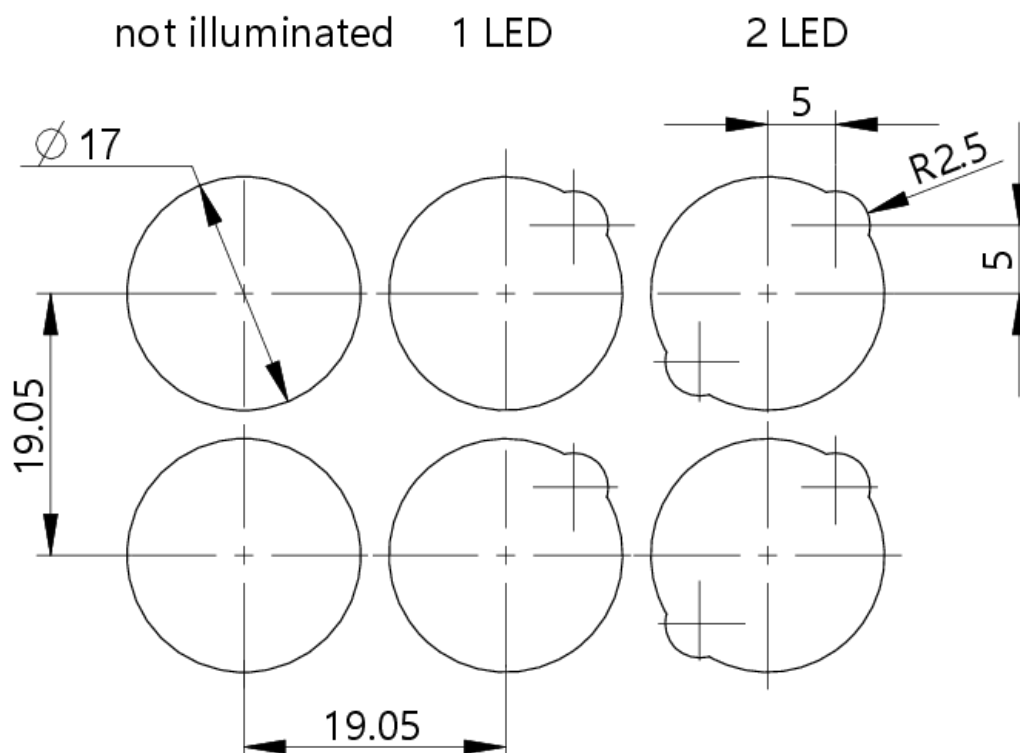


## PCB drawing

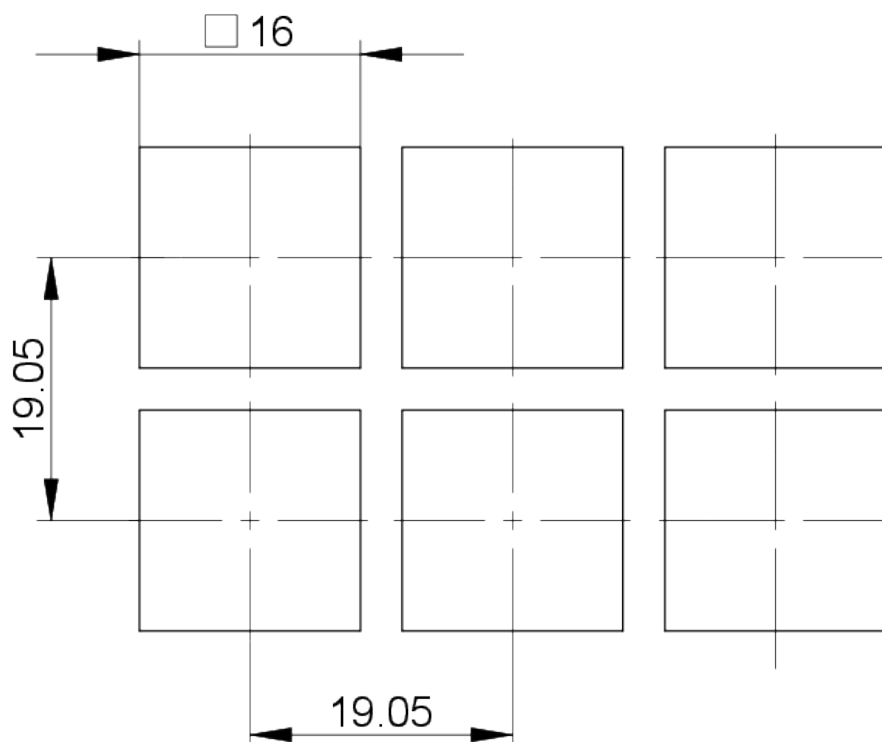


Button not illuminated

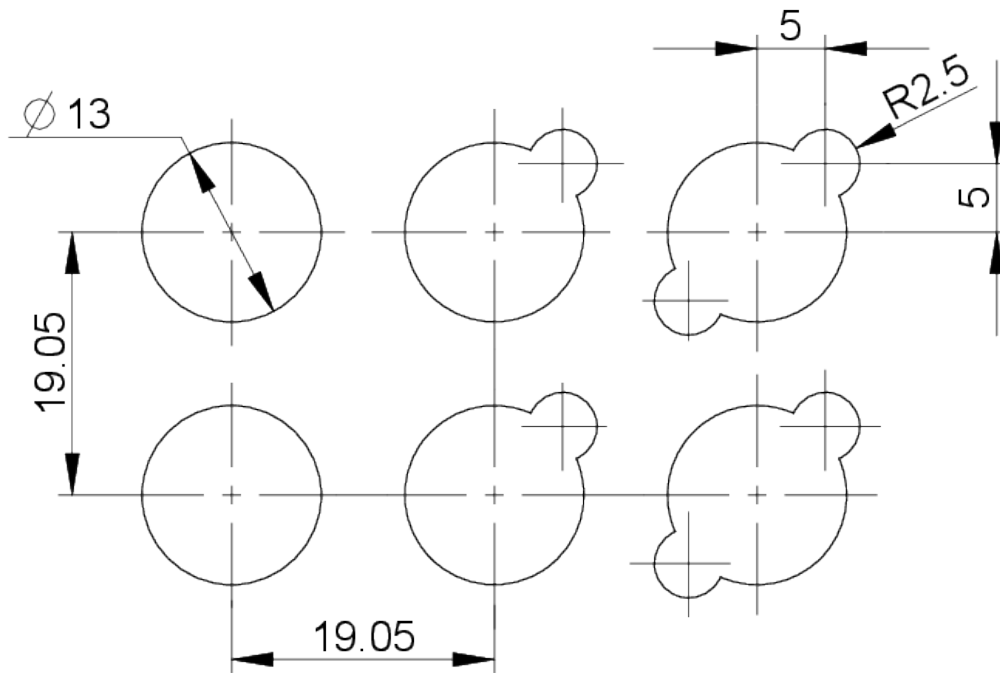
front panel drawing



front panel drawing



## front panel drawing



## front panel drawing

